



42-045-00070  
PA 000 293037  
Bruce Augustine

**Monroe Energy, L.L.C.**  
**4101 Post Road**  
**Trainer, PA 19061**  
**(610) 364-8000**

July 17, 2017

JUL 21 2017

Mr. James Rebarchak  
Air Quality Program  
Commonwealth of Pennsylvania  
Department of Environmental Protection  
Southeast Regional Office  
2 East Main Street  
Norristown, PA 19401

**RE: Monroe Energy, LLC – Trainer Refinery**  
**Second Quarter (2Q2017) PADEP VOC Fugitive Monitoring Report**  
**Title V Operating Permit No. 23-00003**

Dear Mr. Rebarchak:

As required by Pennsylvania Code, Title 25, §129.58(f), the Monroe Energy, LLC (Monroe Energy) Trainer Refinery hereby submits the VOC Fugitive Emissions Monitoring Report for the period of April 1, 2017 through June 30, 2017.

This report consists of the following documents:

- Compliance Monitoring Summary Pennsylvania Title 25, Section 129.58.
- Compliance Repair Delay List Pennsylvania Title 25, Section 129.58.
- Compliance Report Repair Delayed History – Components Repaired During Report Period, Pennsylvania Title 25, Section 129.58.
- Compliance Report – Components Added and Deleted During Report Period, Pennsylvania Title 25, Section 129.58.

As required by the Consent Decree H-05-0258, paragraph 236, Monroe Energy is hereby notifying the Department that the report leak rates contained herein for valves and pumps are those applicable regulatory leak definitions defined in Pennsylvania Code, Title §129.58(a).

During the reporting period, all components were monitored in accordance with Monroe Energy's Alternate LDAR Plan Monitoring Schedule and no late repairs were recorded. Also, per the aforementioned Consent Decree, all valves with a leak rate of over 10,000 ppm that required a Drill and Tap were successfully repaired to a leak rate less than 500 ppm and were not placed on Delay of Repair list.

Mr. James Rebarchak  
January 11, 2017  
Page 2

Subject to the penalties of Title 18 Pa. C.S. Section 4904 and 35 P.S. Section 4009 (b) (2), I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained herein are true, accurate, and complete.

Should you have any questions or comments regarding this report, please contact Stephani Ski Szymanski, Environmental Engineer and Program Lead, at (610) 364-8073.

Sincerely,



Jeffrey K. Warmann  
CEO & President

Enclosures

Cc: Office of Air Enforcement & Compliance Assistance (3AP20)  
U.S. EPA Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

MONROE ENERGY TRAINER REFINERY  
 2Q2017 PADEP/PAREF QUARTERLY LDAR REPORT  
 SUMMARY

REPORT COMPLIANCE PERIOD: APRIL 1, 2017 THROUGH JUNE 30, 2017

UNIT	CLASS	MONTH	MONITORED	LEAKED	LATE REPAIRS
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543 CRUDE

PUMP	4	4	0	0
PUMP	5	4	0	0
PUMP	6	4	0	0
RELIEF	5	8	0	0
VALVE	4	11	0	0
VALVE	5	1,074	0	0
VALVE	6	12	0	0
		<u>1,117</u>	<u>0</u>	<u>0</u>

544 CRUDE

PUMP	4	15	0	0
PUMP	5	15	0	0
PUMP	6	15	0	0
RELIEF	5	8	0	0
VALVE	4	8	0	0
VALVE	5	1,171	0	0
VALVE	6	4	0	0
		<u>1,236</u>	<u>0</u>	<u>0</u>

544 VACUUM

PUMP	4	2	0	0
PUMP	5	2	0	0
PUMP	6	2	0	0
RELIEF	5	7	0	0
VALVE	5	403	0	0
VALVE	6	12	0	0
		<u>428</u>	<u>0</u>	<u>0</u>

ALKY

CONECT	5	1	1	0
PUMP	4	27	0	0
PUMP	5	27	0	0
PUMP	6	26	0	0
RELIEF	5	39	0	0
VALVE	4	8	0	0
VALVE	5	3,394	5	0
VALVE	6	13	0	0
		<u>3,535</u>	<u>6</u>	<u>0</u>

AMINE

PUMP	4	2	0	0
PUMP	5	2	0	0
PUMP	6	2	0	0
RELIEF	4	6	0	0
VALVE	4	360	1	0

VALVE	5	3	0	0
VALVE	6	1	0	0
		<b><u>376</u></b>	<b><u>1</u></b>	<b><u>0</u></b>

#### AWWTP

VALVE	4	140	0	0
		<b><u>140</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### BLEND

PUMP	4	18	0	0
PUMP	5	18	0	0
PUMP	6	18	0	0
RELIEF	4	19	0	0
VALVE	4	1,428	0	0
		<b><u>1,501</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### BOILER

RELIEF	6	1	0	0
VALVE	6	78	0	0
		<b><u>79</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### BOILER 14

VALVE	4	1	0	0
VALVE	5	1	0	0
VALVE	6	49	0	0
		<b><u>51</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### BOILERS 9 & 10

RELIEF	6	4	0	0
VALVE	4	6	0	0
VALVE	5	4	0	0
VALVE	6	437	0	0
		<b><u>451</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### BUTANE

RELIEF	5	7	0	0
VALVE	5	304	0	0
		<b><u>311</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### DESALT

PUMP	4	10	0	0
PUMP	5	10	0	0
PUMP	6	10	0	0
RELIEF	4	12	0	0
VALVE	4	809	0	0
		<b><u>851</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### DIESEL

PUMP	4	11	0	0
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PUMP	5	11	0	0
PUMP	6	11	0	0
RELIEF	4	9	1	0
RELIEF	5	1	0	0
VALVE	4	784	1	0
VALVE	5	2	0	0
VALVE	6	2	0	0
		<b><u>831</u></b>	<b><u>2</u></b>	<b><u>0</u></b>

#### FCC

PUMP	4	25	0	0
PUMP	5	25	0	0
PUMP	6	25	0	0
RELIEF	4	1	0	0
RELIEF	5	33	0	0
RELIEF	6	1	0	0
VALVE	4	3	0	0
VALVE	5	2,299	0	0
VALVE	6	4	0	0
		<b><u>2,416</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### FLARE

PUMP	4	3	0	0
PUMP	5	3	0	0
PUMP	6	3	0	0
VALVE	6	221	0	0
		<b><u>230</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### FLARE GAS RECOVERY

PUMP	4	7	0	0
PUMP	5	7	0	0
PUMP	6	7	0	0
RELIEF	6	20	0	0
VALVE	6	1,053	1	0
		<b><u>1,094</u></b>	<b><u>1</u></b>	<b><u>0</u></b>

#### ISOCRK

COMPR	4	1	0	0
CONECT	4	8	0	0
CONECT	5	5	0	0
CONECT	6	5	0	0
PUMP	4	18	0	0
PUMP	5	18	0	0
PUMP	6	18	0	0
RELIEF	4	55	0	0
VALVE	4	3,126	0	0
VALVE	5	6	0	0
VALVE	6	4	0	0
		<b><u>3,264</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

#### KERO

PUMP	4	9	0	0
PUMP	5	9	0	0
PUMP	6	9	0	0
RELIEF	4	30	0	0
VALVE	4	1,526	1	0
VALVE	5	2	0	0
VALVE	6	1	0	0
		<u>1,586</u>	<u>1</u>	<u>0</u>

#### LOWLN

PUMP	4	5	0	0
PUMP	5	6	0	0
PUMP	6	6	0	0
RELIEF	4	6	0	0
VALVE	4	576	0	0
VALVE	5	2	0	0
		<u>601</u>	<u>0</u>	<u>0</u>

#### MARINE

CONECT	5	1	1	0
PUMP	4	2	0	0
PUMP	5	2	0	0
PUMP	6	2	0	0
RELIEF	5	10	0	0
VALVE	4	1	0	0
VALVE	5	291	0	0
		<u>309</u>	<u>1</u>	<u>0</u>

#### NAPHTH

PUMP	4	16	0	0
PUMP	5	16	0	0
PUMP	6	16	0	0
RELIEF	6	13	0	0
VALVE	4	14	0	0
VALVE	5	8	0	0
VALVE	6	1,507	0	0
		<u>1,590</u>	<u>0</u>	<u>0</u>

#### PLATFO

COMPR	4	1	0	0
COMPR	5	1	0	0
COMPR	6	1	0	0
PUMP	4	10	0	0
PUMP	5	10	0	0
PUMP	6	10	0	0
RELIEF	6	30	0	0
VALVE	4	10	0	0
VALVE	5	9	0	0
VALVE	6	2,184	3	0
		<u>2,266</u>	<u>3</u>	<u>0</u>

PRORCL

PUMP	4	1	0	0
PUMP	5	1	0	0
PUMP	6	1	0	0
RELIEF	6	3	0	0
VALVE	4	2	0	0
VALVE	5	2	0	0
VALVE	6	331	0	0
		<u>341</u>	<u>0</u>	<u>0</u>

PROREC

RELIEF	5	12	0	0
VALVE	4	1	0	0
VALVE	5	646	1	0
VALVE	6	1	0	0
		<u>660</u>	<u>1</u>	<u>0</u>

PROSTO

PUMP	4	6	0	0
PUMP	5	6	0	0
PUMP	6	6	0	0
RELIEF	4	20	0	0
VALVE	4	530	0	0
		<u>568</u>	<u>0</u>	<u>0</u>

REFORM

PUMP	4	8	0	0
PUMP	5	8	0	0
PUMP	6	8	0	0
RELIEF	5	11	0	0
VALVE	4	1	0	0
VALVE	5	827	0	0
VALVE	6	14	0	0
		<u>877</u>	<u>0</u>	<u>0</u>

SOUR

RELIEF	4	1	0	0
RELIEF	5	2	0	0
RELIEF	6	1	0	0
VALVE	5	53	0	0
VALVE	6	1	0	0
		<u>58</u>	<u>0</u>	<u>0</u>

SOUTH TANK FARM

PUMP	4	24	0	0
PUMP	5	24	0	0
PUMP	6	24	0	0
RELIEF	4	1	0	0
RELIEF	6	20	0	0
VALVE	4	48	0	0
VALVE	5	46	0	0

VALVE	6	2,528	0	0
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		<u>2,715</u>	<u>0</u>	<u>0</u>
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SRU

RELIEF	4	3	0	0
VALVE	4	77	0	0

		<u>80</u>	<u>0</u>	<u>0</u>
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TAIL GAS

RELIEF	4	3	0	0
VALVE	4	160	0	0

		<u>163</u>	<u>0</u>	<u>0</u>
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TF

CONECT	6	1	1	0
PUMP	4	10	0	0
PUMP	5	10	0	0
PUMP	6	10	0	0
RELIEF	6	6	0	0
VALVE	6	893	1	0

		<u>930</u>	<u>2</u>	<u>0</u>
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VACUUM

CONECT	4	2	2	0
PUMP	4	2	0	0
PUMP	5	2	0	0
PUMP	6	2	0	0
RELIEF	4	3	0	0
VALVE	4	498	0	0
VALVE	5	3	0	0

		<u>512</u>	<u>2</u>	<u>0</u>
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VGO

PUMP	4	1	0	0
PUMP	5	1	0	0
PUMP	6	1	0	0
RELIEF	4	11	0	0
VALVE	4	621	0	0
VALVE	5	4	0	0
VALVE	6	2	0	0

		<u>641</u>	<u>0</u>	<u>0</u>
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<b>TOTAL</b>	<b>31,808</b>	<b>20</b>	<b>0</b>
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MONROE ENERGY TRAINER REFINERY  
 2Q2017 PADEP QUARTERLY LDAR REPORT  
 ON DELAY OF REPAIR COMPONENTS  
 LEAKING COMPONENTS SUBJECT TO PENREF RULE LEAK DEFINITION OF >10,000PPM PLACED ON DOR FOR  
 QUARTER

REPORT COMPLIANCE PERIOD: APRIL 1, 2017 THROUGH JUNE 30, 2017

UNIT	TAG	CLASS	PLACED ON DELAY
			0
			0

*DOES NOT INCLUDE CONNECTORS, PER PAREF REPORTING REGULATION*

MONROE ENERGY TRAINER REFINERY

2Q2017 PADEP QUARTERLY LDAR REPORT

REMOVED FROM DELAY OF REPAIR COMPONENTS

LEAKING COMPONENTS SUBJECT TO PAREF RULE LEAK DEFINITION OF >10,000PPM REMOVED FROM DOR FOR  
QUARTER

REPORT COMPLIANCE PERIOD: APRIL 1, 2017 THROUGH JUNE 30, 2017

UNIT	TAG	CLASS	REMOVED FROM DOR
BOILERS 9/10	13510	VALVE	06/22/2017
DIESEL	02055	PRESSURE RELIEF	05/2/2017
ISOCRK	14743	COMPRESSOR	04/13/2017
			1

*DOES NOT INCLUDE CONNECTORS, PER PAREF REPORTING REGULATION*

MONROE ENERGY TRAINER REFINERY  
2Q2017PAREF/ PADEP QUARTERLY LDAR REPORT  
ADDED AND DELETED COMPONENTS

REPORT COMPLIANCE PERIOD: APRIL 1, 2017 THROUGH JUNE 30, 2017

UNIT	Class	Added	Deleted
543 CRUDE	PRESSURE RELIEF DEVICE	0	0
543 CRUDE	PUMP	0	0
543 CRUDE	VALVE	6	0
544 CRUDE	PRESSURE RELIEF DEVICE	0	0
544 CRUDE	PUMP	0	0
544 CRUDE	VALVE	0	0
544 VACUUM	PRESSURE RELIEF DEVICE	0	0
544 VACUUM	PUMP	0	0
544 VACUUM	VALVE	11	1
ALKY	CONNECTOR	1	0
ALKY	PRESSURE RELIEF DEVICE	0	0
ALKY	PUMP	0	0
ALKY	VALVE	3	3
AMINE	PRESSURE RELIEF DEVICE	0	0
AMINE	PUMP	0	0
AMINE	VALVE	3	0
AWWTP	VALVE	0	0
BLEND	CONNECTOR	0	0
BLEND	PRESSURE RELIEF DEVICE	0	0
BLEND	PUMP	0	0
BLEND	VALVE	0	0
BOILER	CONNECTOR	0	0
BOILER	PRESSURE RELIEF DEVICE	0	0
BOILER	VALVE	0	0
BOILER 14	VALVE	0	0
BOILERS 9 & 10	CONNECTOR	0	0
BOILERS 9 & 10	PRESSURE RELIEF DEVICE	0	0
BOILERS 9 & 10	VALVE	1	4
BUTANE	CONNECTOR	0	0
BUTANE	PRESSURE RELIEF DEVICE	0	0
BUTANE	VALVE	0	0
CRUDE	CONNECTOR	0	0
CRUDE	PRESSURE RELIEF DEVICE	0	0
CRUDE	PUMP	0	0
CRUDE	VALVE	0	0
DESALT	CONNECTOR	0	0
DESALT	PRESSURE RELIEF DEVICE	0	0
DESALT	PUMP	0	0
DESALT	VALVE	0	0
DIESEL	COMPRESSOR	0	0
DIESEL	CONNECTOR	0	0
DIESEL	PRESSURE RELIEF DEVICE	1	1
DIESEL	PUMP	0	0
DIESEL	VALVE	0	0
FCC	COMPRESSOR	0	0
FCC	CONNECTOR	0	0

FCC	PRESSURE RELIEF DEVICE	0	0
FCC	PUMP	0	0
FCC	VALVE	4	0
FLARE	CONNECTOR	0	0
FLARE	PRESSURE RELIEF DEVICE	0	0
FLARE	PUMP	0	0
FLARE	VALVE	0	0
FLARE GAS RECOVERY	COMPRESSOR	0	0
FLARE GAS RECOVERY	PRESSURE RELIEF DEVICE	0	0
FLARE GAS RECOVERY	PUMP	0	0
FLARE GAS RECOVERY	VALVE	0	0
ISOCRK	COMPRESSOR	0	0
ISOCRK	CONNECTOR	0	0
ISOCRK	PRESSURE RELIEF DEVICE	0	0
ISOCRK	PUMP	0	0
ISOCRK	VALVE	0	0
KERO	COMPRESSOR	0	0
KERO	CONNECTOR	0	0
KERO	PRESSURE RELIEF DEVICE	0	0
KERO	PUMP	0	0
KERO	VALVE	0	0
LOWLN	COMPRESSOR	0	0
LOWLN	CONNECTOR	0	0
LOWLN	PRESSURE RELIEF DEVICE	0	0
LOWLN	PUMP	0	0
LOWLN	VALVE	2	0
MARINE	COMPRESSOR	0	0
MARINE	CONNECTOR	1	0
MARINE	PRESSURE RELIEF DEVICE	0	0
MARINE	PUMP	0	0
MARINE	VALVE	0	0
NAPHTH	COMPRESSOR	0	0
NAPHTH	CONNECTOR	0	0
NAPHTH	PRESSURE RELIEF DEVICE	0	0
NAPHTH	PUMP	0	0
NAPHTH	VALVE	2	2
OYF	VALVE	0	0
PLATFO	COMPRESSOR	0	0
PLATFO	CONNECTOR	0	0
PLATFO	PRESSURE RELIEF DEVICE	0	0
PLATFO	PUMP	0	0
PLATFO	VALVE	3	0
PRORCL	CONNECTOR	0	0
PRORCL	PRESSURE RELIEF DEVICE	0	0
PRORCL	PUMP	0	0
PRORCL	VALVE	0	0
PROREC	CONNECTOR	0	0
PROREC	PRESSURE RELIEF DEVICE	0	0
PROREC	VALVE	0	0
PROSTO	CONNECTOR	0	0
PROSTO	PRESSURE RELIEF DEVICE	0	0
PROSTO	PUMP	0	0
PROSTO	VALVE	0	0

REFORM	CONNECTOR	0	0
REFORM	PRESSURE RELIEF DEVICE	0	0
REFORM	PUMP	0	0
REFORM	VALVE	0	0
SOUR	CONNECTOR	0	0
SOUR	PRESSURE RELIEF DEVICE	0	0
SOUR	PUMP	0	0
SOUR	VALVE	0	0
SOUTH TANK FARM	COMPRESSOR	0	0
SOUTH TANK FARM	CONNECTOR	0	0
SOUTH TANK FARM	PRESSURE RELIEF DEVICE	1	0
SOUTH TANK FARM	PUMP	0	0
SOUTH TANK FARM	VALVE	43	0
SRU	COMPRESSOR	0	0
SRU	CONNECTOR	0	0
SRU	PRESSURE RELIEF DEVICE	0	0
SRU	VALVE	0	0
SUNOL	COMPRESSOR	0	0
SUNOL	CONNECTOR	0	0
SUNOL	PRESSURE RELIEF DEVICE	0	0
SUNOL	PUMP	0	0
SUNOL	VALVE	0	0
TAIL GAS	CONNECTOR	0	0
TAIL GAS	PRESSURE RELIEF DEVICE	0	0
TAIL GAS	VALVE	0	0
TF	CONNECTOR	1	0
TF	PRESSURE RELIEF DEVICE	0	0
TF	PUMP	0	0
TF	VALVE	2	1
VACUUM	CONNECTOR	2	0
VACUUM	PRESSURE RELIEF DEVICE	0	0
VACUUM	PUMP	0	0
VACUUM	VALVE	3	0
VGO	COMPRESSOR	0	0
VGO	CONNECTOR	0	0
VGO	PRESSURE RELIEF DEVICE	0	0
VGO	PUMP	0	0
VGO	VALVE	2	0
VT	VACUUM TRUCK	0	0
WC	CONTAINERS , DRUMS, ETC.	0	0
WGS	CONNECTOR	0	0
WGS	PRESSURE RELIEF DEVICE	0	0
WGS	VALVE	0	0
TOTAL:		92	12